

Conservation Status Assessment

Scientific Name: *Russula mustelina*

Classification: Fungus

Assessment area: Washington

Heritage Rank: **S1**

Rank Date: 3/9/2017

Rank Reasons: The description in Desjardin & al. (2015: 68, said to be common at high elevations in the Sierras) contrasts somewhat with a French YouTube narrative. Could find no sequence analyses comparing European and North American representatives. Cited as a species of 'least concern' on the European, Norwegian, and Russian Red lists, but vulnerable in Denmark and 'regionally extinct' in Flanders. Reported from BC (Ceska 2012). No other data contradict 2017 assigned Global ranking.

Range Extent: B = 100-250 sq km (~40-100 sq mi)

Comments: There are two records of this species located about 140 km apart on the east slope of the Cascades in Chelan and Kittitas Counties. In the 2002 ranking, L. Norvell expressed some doubt that the Kittitas County site was correctly identified.

Population Size: Not assessed

Comments: None

Number of Occurrences: A = 1 - 5

Comments: There are two known occurrences of this species in Washington.

Area of Occupancy: B = 2 4-km² grid cells

Comments: This species occupies 2 grid squares in Washington.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: One occurrence is in the Lake Chelan National Recreation Area.

Environmental Sensitivity: B = Narrow. Specialist or community with key requirements common

Comments: A mycorrhizal species.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

One of the two sites may be threatened by timber harvest.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: S1

Rank Author: Michael Russell

Rank Reviewer: Lorelei Norvell

References:

No additional references listed.

Definitions and Resources:

Rank Prefixes	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
Rank Values	
1	Critically imperiled
2	Imperiled
3	Vulnerable
4	Apparently secure, uncommon but not rare
5	Secure, common, abundant, and widespread

Suggested citation:

Oregon Biodiversity Information Center. 2017. Fungi Conservation Status Assessments. Institute for Natural Resources, Portland State University and Oregon State University. Portland, Oregon and Corvallis, Oregon.

More assessments available at <http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Element rank calculator resources at <http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

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